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AIP Press American Institute of Physics 500 Sunnyside Boulevard Woodbury, NY 11797-2999

Library of Congress Cataloging-in-Publication Data

Physical properties of polymers handbook / editor, James E. Mark.

p. cm.

Includes bibliographical references and indexes.

ISBN 1-56396-295-0 (book)

ISBN 1-56396-598-4 (CD-ROM)

ISBN 1-56396-599-2 (set)

I. Polymers. I. Mark, James E., 1934-

TA455.P58P475 1996 620.1'92--dc20

95-50256

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Common name	Acronym, alternate	Class	
Common name	name	Class	Structure of repeat unit
Polyetheretherketone	PEEK ·	Polyketone	
Polyethylene	PE	Polyolefin	+cH₂-cH₂-1n ×
Poly(ethylene imine)		Polyamine	
Poly(ethylene oxide) [Poly(ethylene glycol)]	PEO (PEG)	Polyether	
Polyethylene- terephthalate	PET	Polyester	
Polyglycine		Polypeptide	-{NH-CH2-C-}n
Poly(hexamethylene adipamide)	Nylon-66	Polyamide	
Polyhydroxybutyrate	РНВ	Polyester	
Polyimide	PI	Polyimide	+"cccco
Poly(imino-1,3-phenylene iminoisophthaloyl) (Nomex)		Polyaramide	+HN NH-C C C C
Poly(imino-1,4-phenylene iminoterephthaloyl) (Kevlar)		Polyaramide	-{HN-{}-NH-C-{}-C-C-
Polyisobutylene	Butyl rubber	Vinylidene polymer	$ \begin{array}{c}                                     $
Polyisocyanate	PIC	Polyamide	{ N-C }
Polyisocyanide		Polyisocyanide	-{ "c